

REMARKS

In the Office Action mailed January 13, 2005, claim 27 is rejected under 35 USC §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicants regard as the invention. Claims 1, 3, 5-9, 12, 18-20, and 23-26 are rejected under 35 USC §102(a) as being anticipated by Nakajoh et al. (U.S. Patent 6,762,796 "Nakajoh"). Claims 2, 4, 10, 11, 15, 16, and 27 are rejected under 35 USC §103(a) as being unpatentable over Nakajoh in view of Radu et al. (U.S. Patent 6,573,590, "Radu"). Claims 13, 14, 17, 21, and 26 are rejected under 35 USC §103(a) as being unpatentable over Nakajoh. Finally, claim 22 is rejected under 35 USC §103(a) as being unpatentable over Nakajoh in view of Fujimoto et al. (U.S. Patent 6,693,748, "Fujimoto").

Rejections under 35 USC §112

In response to the rejection of claim 27 under 35 USC §112, second paragraph, Applicants have amended the claim to correct a clerical error. In particular, Applicants have amended claim 27 to delete "conductive," and respectfully submit that claim 27 is now in allowable form.

Rejections under 35 USC §102

In response to the rejection of claims 1, 3, 5-9, 12, 18-20, and 23-26 under 35 USC §102(a) as being anticipated by Nakajoh, Applicants have amended each of the independent claims 1, 6, 12, 13, 18 and 23 to overcome the rejection. In particular, Applicants have amended independent claims 1, 18, and 23 to indicate that the plurality of recesses at the edges of the foot portion reduces the width of the foot portion. Applicants have also amended independent claims 6, 12, and 13 to indicate that the plurality of recesses are formed adjacent to a planar surface of the foot portion which is coupled to the substrate. Applicants respectfully submit that the claims as amended clearly distinguish over Nakajoh.

Nakajoh is directed to an image pickup module having an integrated lens and a semiconductor chip. As shown in Fig. 9 which is cited in the Office Action, a ceramic

substrate 2 having a semiconductor 1 is coupled to a lens frame member 21. It is suggested in the Office Action that recesses 27 of Nakajoh are a plurality of recesses as claimed by Applicants. In Nakajoh, recesses 27 allow for connections to lead terminals 4 of the ceramic substrate 2, shown in Fig. 3A. However, recesses 27 of Nakajoh fail to disclose or even suggest recesses at which the foot portion has a reduced width, as set forth in independent claims 1, 18, and 23. Recesses 27 of Nakajoh also fail to disclose or even suggest recesses which are formed adjacent to a planar surface of the foot portion coupled to the substrate, as set forth in independent claims 6, 12, and 13. Dependent claims 3, 5, 7-9, 19, 20, and 24-26 are not taught or disclosed for at least the same reasons. Therefore, Applicants respectfully submit that claims 1, 3, 5-9, 12, 18-20, and 23-26 as amended are allowable over Nakajoh.

Rejections under 35 USC §103

In response to the rejection of claims 2, 4, 10, 11, 15, 16, and 27 under 35 USC §103(a) as being unpatentable over Nakajoh in view of Radu, Applicants submit that the claims are allowable for the same reason that the independent claims from which they depend are allowable. Radu is cited for disclosing the use of an adhesive between the die and the lid. However, Applicants respectfully submit that Radu fails to overcome the deficiencies of the primary reference Nakajoh, and that any combination of the references would not lead to Applicants' claims. That is, Radu fails to disclose the plurality of recesses as claimed by Applicants.

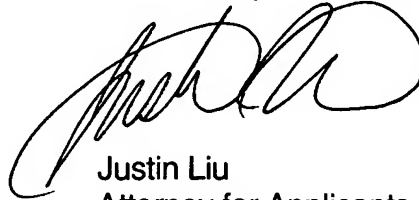
In response to the rejection of claims 13, 14, 17, 21, and 26 under 35 USC §103(a) as being unpatentable over Nakajoh, Applicants submit that independent claim 13 as amended is not obvious in view of Nakajoh. Applicants further submit that dependent claims 14, 17, 21 and 26, are allowable over Nakajoh in view of the amendments to the independent claims 13, 18 and 23 for the reasons set forth above.

Finally, in response to the rejection of claim 22 under 35 USC §103(a) as being unpatentable over Nakajoh in view of Fujimoto, Applicants respectfully submit that claim 22 is allowable over an combination of Nakajoh and Fujimoto for the same reason that the independent claim 18, from which claim 22 depends, is allowable. Fujimoto is cited for disclosing the process of injection molding for a lid of an

integrated circuit. However, Applicants respectfully submit that Fujimoto fails to overcome the deficiencies of Nakajoh, and that any combination of the references would not lead to Applicants' claims.

For the reasons set forth above, Applicants submit that the claims as amended are allowable over the cited art and respectfully requests reconsideration.

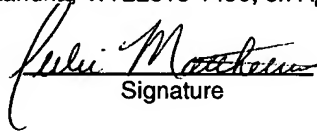
Respectfully submitted,



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I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450, on April 1, 2005.

Julie Matthews
Name


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